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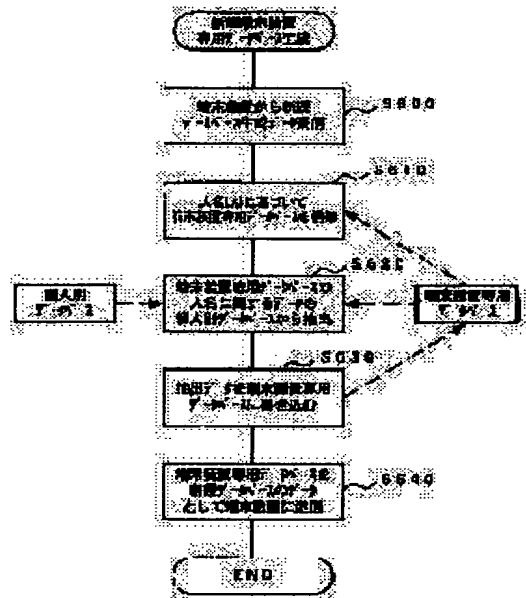
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(54) DEVICE AND SYSTEM FOR MANAGING PERSONAL INFORMATION, AND RECORDING MEDIUM

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a personal information management system capable of registering, managing and providing the latest personal information and being easily handled by a subscriber.

SOLUTION: When a novel database preparation request is received from a terminal only with a personal name list (S600), on the basis of the list, a managing center newly constructs a database dedicated to the terminal (S610). Then, the latest data corresponding to personal names described on the list are extracted from the database by individuals managing all the personal information and the database dedicated to the terminal (S620) and these extracted data are written in the newly prepared database dedicated to the terminal (S630). The database dedicated to the terminal prepared in this way is returned to the terminal of the request destination as novel personal information data (S640). In this system, when identification information specifying any individual is transmitted, since the desired database is prepared and returned, it is convenient without requiring complicated information collection.



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CLAIMS

[Claim(s)]

[Claim 1] The input means for being personal-information-management equipment which manages the various information about an individual, and inputting various kinds of directions and information, the information (individual humanity news is called hereafter —) about an individual A maintenance means to be based on the directions inputted through the storage means and said input means for storing or directions, and information, to register individual humanity news into said storage means, or to update or delete the individual humanity news of said storage means, Personal-information-management equipment equipped with an information organization means extract the individual humanity news stored in said storage means based on the directions inputted through said input means or directions, and information, and compose the information for an output, and the output means for outputting the information for an output composed by said information organization means.

[Claim 2] Personal-information-management equipment characterized by said information organization means extracting information from said storage means using this extraction condition including the extraction condition said directions inputted through said input means indicate the informational candidate for an extract to be in personal-information-management equipment according to claim 1.

[Claim 3] It is personal-information-management equipment characterized by embedding in personal-information-management equipment according to claim 1 or 2 in the form which took out the individual humanity news which said information organization means was equipped with a form storage means to store the information on a further predetermined format (for form to be called hereafter.), and was extracted from said storage means from this form storage means, and composing.

[Claim 4] Personal-information-management equipment characterized by having a form maintenance means to input form and to maintain the form of said form storage means from said input means further in personal-information-management equipment according to claim 3.

[Claim 5] It is personal-information-management equipment characterized by being constituted so that said information organization means may compose said information for an output of predetermined timing in personal-information-management equipment according to claim 1 to 4.

[Claim 6] It is personal-information-management equipment characterized by composing said information for an output at the day or time of day based on [have memorized the information about the day or time of day when said storage means was further related with individual humanity news in personal-information-management equipment according to claim 1 to 5, and] this storage in said information organization means.

[Claim 7] It is personal-information-management equipment which said information organization means composes said information for an output immediately, and is characterized by said output means outputting said information for an output immediately when demand directions of individual humanity news with the high demand of predetermined instancy nature or news flash are inputted through an input means in personal-information-management equipment according to claim 1 to 6.

[Claim 8] It is personal-information-management equipment which said storage means has memorized further the individual specific information which specifies the individual for [informational] organization in personal-information-management equipment according to claim 5 to 7, and is characterized by said information organization means composing the information about the individual who specified using this individual specific information.

[Claim 9] Said maintenance means and said information organization means are personal-information-management equipment characterized by restricting when predetermined access-permission conditions are satisfied in personal-information-management equipment according to claim 1 to 8, and performing access to a storage means.

[Claim 10] It is personal-information-management equipment characterized by what is judged based on the authentication information as which the success or failure of said access-permission conditions were inputted through the input means in personal-information-management equipment according to claim 9.

[Claim 11] It is personal-information-management equipment characterized by what is judged based on the access-restriction information which memorized the success or failure of said access-permission conditions with individual humanity news for said storage means in personal-information-management equipment according to claim 9.

[Claim 12] It is personal-information-management equipment characterized by considering as the information from which said access-restriction information distinguishes public information and secret information in personal-information-management equipment according to claim 11.

[Claim 13] It is personal-information-management equipment characterized by considering as the information which shows a user with said accessible access-restriction information in personal-information-management equipment

according to claim 11.

[Claim 14] It is personal-information-management equipment which said input means is further equipped with an information acquisition means in personal-information-management equipment according to claim 1 to 13, and is characterized by acquiring automatically the information which other computers connected through communication system have, and this information acquisition means inputting it.

[Claim 15] It is personal-information-management equipment characterized by for said input means extracting only the information which is further equipped with an input filter means and agrees on predetermined conditions with this input filter means in personal-information-management equipment according to claim 1 to 14, and inputting.

[Claim 16] It is personal-information-management equipment which memorizes the credibility information about the credibility of individual humanity news with said individual humanity news for said storage means in personal-information-management equipment according to claim 1 to 15, and is characterized by extracting said information organization means from a storage means, and composing this credibility information with individual humanity news.

[Claim 17] It is personal-information-management equipment characterized by considering as the information said credibility information indicates an informational acquisition path to be in personal-information-management equipment according to claim 16.

[Claim 18] It is personal-information-management equipment characterized by considering as the information said credibility information indicates an informational acquisition stage to be in personal-information-management equipment according to claim 16.

[Claim 19] It is personal-information-management equipment characterized by maintaining the information said maintenance means was remembered to be by said storage means to predetermined timing in personal-information-management equipment according to claim 1 to 18.

[Claim 20] It is personal-information-management equipment characterized by maintaining the information which said maintenance means is predetermined timing in personal-information-management equipment according to claim 1 to 19, and was memorized by said storage means according to said credibility information.

[Claim 21] Based on the output destination change directions into which said output means was inputted through said input means in personal-information-management equipment according to claim 1 to 20, it is personal-information-management equipment characterized by outputting said information for an output.

[Claim 22] It is personal-information-management equipment which memorizes the output destination change information about an output destination change for said storage means in personal-information-management equipment according to claim 1 to 21, and is characterized by said output means outputting said information for an output to the output destination change based on this output destination change information.

[Claim 23] It is the individual humanity news managerial system which it is the individual humanity news managerial system which consists of personal-information-management equipment according to claim 1 to 22 and one or more terminal units connected through the communication network, and the input means of said personal-information-management equipment inputs the information from a terminal unit through a communication network, and is characterized by the output means of said personal-information-management equipment outputting information to a terminal unit through a communication network.

[Claim 24] The individual humanity news managerial system with which at least one of said one or more terminal units is characterized by being personal-information-management equipment according to claim 1 to 22 in an individual humanity news managerial system according to claim 23.

[Claim 25] The record medium which recorded the program for operating a computer system as said information organization means in personal-information-management equipment according to claim 1 to 22, said maintenance means, said input means, and said output means and in which computer reading is possible.

[Claim 26] It is the individual humanity news managerial system which consists of a management center which registers the various information about an individual, manages and is offered, and two or more terminal units connected to this management center through the communication network at the communication line. Said management center is an individual humanity news managerial system characterized by having a retrieval transmitting means to incorporate all the public information about an individual from a database, and to return the individual humanity news to said terminal unit which has transmitted said identification information, when the identification information which specifies said individual is received.

[Claim 27] Said management center is an individual humanity news managerial system according to claim 26 characterized by having a means to update said data **--SU based on said the individual humanity news which received, when said individual humanity news is received.

[Claim 28] Said terminal unit is an individual humanity news managerial system according to claim 26 or 27 characterized by having a means to connect with other databases through said communication line, to incorporate the information about said individual from these other databases, and to update a self database based on the newest information.

[Claim 29] For said management center, claims 26-28 characterized by having a storage means to extract and memorize the notice database which consists of information which searches said database according to the demand from said terminal unit, and expresses a notice stage and its contents, and the notice means which takes out a notice to said terminal unit according to said notice database are the individual humanity news managerial systems of a publication either.

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DETAILED DESCRIPTION

[Detailed Description of the Invention]

[0001]

[Field of the Invention] This invention relates to personal-information-management equipment, an individual humanity news managerial system, etc. which register, manage and offer the information about an individual.

[0002]

[Description of the Prior Art] Conventionally, individual humanity news was acquired from various media, such as a card, and a letter, a newspaper, and was used. For example, when a card and a letter are got from others, and keeping it in the holder and using, the card and the letter were picked out from the holder and it was carrying out writing and moving the address etc. Moreover, the information about congratulations and condolences was acquired from the newspaper etc., the telegram was sent, and the information on staff reassignment was acquired and personnel affairs were grasped.

[0003]

[Problem(s) to be Solved by the Invention] However, acquisition of individual humanity news was performed in each home and each firm unit, and it was inefficient. Moreover, since it distributed to various media and it was recorded and saved to them, in case individual humanity news was used, renewal not only of it being hard to grasp in which medium information exists but information was also difficult for it.

[0004] Then, this invention aims at unifying, managing and offering the information distributed to various locations and media.

[0005]

[The means for solving a technical problem and an effect of the invention] The personal-information-management equipment according to claim 1 made in order to attain the purpose mentioned above The input means for inputting various kinds of directions and information, and information about an individual (individual humanity news is called hereafter.) A maintenance means to be based on the directions inputted through the storage means and said input means for storing or directions, and information, to register individual humanity news into said storage means, or to update or delete the individual humanity news of said storage means, It is characterized by to have an information organization means extract the individual humanity news stored in said storage means based on the directions inputted through said input means or directions, and information, and compose the information for an output, and an output means for outputting the information for an output composed by said information organization means.

[0006] Various kinds of directions inputted through an input means here are for giving directions of operation to each means. For example, it is good to consider informational registration, updating, deletion, organization, and an output as directions. Moreover, various kinds of information can consider that it is the information [a computer] which can be incorporated, for example, they are text information, image information, speech information, etc.

[0007] An input means is a means to input directions and information, for example, is constituted by input units, such as a communication network, a keyboard, a scanner, and a mouse. A storage means is the medium which can record information and memorizes individual humanity news. As a record medium, a hard disk, an optical disk, etc. are realistic, for example. Individual humanity news means the various information about an individual. For example, it is the address, a name, age, an occupation, a birth date, the telephone number, office, and an e-mail address, and is good also considering an individual photograph and voice as individual humanity news.

[0008] Access to a storage means is roughly divided and has read-out and writing. Based on the directions inputted through an input means, an information organization means performs read-out. For example, when directions of an extract of name information are inputted, the information on a name is extracted from a storage means. On the other hand, based on the directions inputted through the input means, a maintenance means performs writing. For example, when directions are directions of deletion, individual humanity news memorized by the storage means is deleted, in directions of registration, the inputted individual humanity news is registered into a storage means, and, in directions of updating, the information registered is updated.

[0009] Moreover, by the information organization means, the extracted information is composed as information for an output, and is outputted through an output means. An output means is a means to output information, for example, it is realistic to use airline printers, such as displays, such as a display, and a printer, and network equipment.

[0010] As mentioned above, in this invention, the individual humanity news recorded on various media is inputted from an input means, the individual humanity news is memorized for a storage means, and individual humanity news is outputted to various media through an output means if needed. Moreover, renewal of individual humanity news is

also performed by the maintenance means. Consequently, a user loses need of managing individual humanity news for every medium, and can manage individual humanity news unitary. For example, individual humanity news can be outputted through a display, a printer, and a network only by accessing this personal-information-management equipment, in case individual humanity news is needed by reading with a scanner the individual humanity news indicated by the card, inputting from a keyboard the individual humanity news indicated by the letter, or inputting from a network the individual humanity news which a newspaper database has. Therefore, in case individual humanity news is used, it becomes unnecessary to look for in which medium information exists, and retrieval time is also shortened. Moreover, if the contents of the storage means are copied, since the individual humanity news inputted once is reusable with other equipments, the input cost of each home and the individual humanity news in each firm can be reduced.

[0011] In case individual humanity news is furthermore used, it is convenient if you can take out the individual humanity news of the individual who fulfills specific conditions. Then, it is good to extract information using the extraction condition which identifies the individual a name, the telephone number, a birth date, the address, and for [of information like office] an extract, in case the individual humanity news memorized by the storage means is taken out, as shown in claim 2. If it does in this way, only the information which was in agreement with the extraction condition specified by a user can be extracted, and informational retrieval will become easy. Furthermore, when there are two or more men of a same surname same name, it comes to be able to perform more simply specifying the individual for [which a user means] an extract, since the individual humanity news which is in agreement with both conditions can be extracted if two or more extraction conditions are specified as coincidence like a name and a birth date for example. Moreover, if office and the address are specified as an extraction condition, for example, office is the same, since a person with the near address etc. can extract, it can search, even if a name is unknown, and it will become easy to obtain the individual humanity news according to a demand of a user.

[0012] Thus, as shown in claim 3, after processing it, you may make it output the extracted information, although the information in the condition that the storage means memorizes may be composed as information for an output as it is and may be outputted. That is, an information organization means is equipped with a form storage means to store the information on a predetermined format, and the individual humanity news extracted from the storage means is embedded in the form taken out from the form storage means, and it composes it. It becomes unnecessary thus, for a user to do the activity which embeds individual humanity news in a document by embedding and outputting individual humanity news to form by the equipment side. It is convenient in case the text of a highly uniform is especially created for [many] individuals like direct mail. Moreover, it can also respond now to the original form of each company, such as fixed form documents, such as form for printing on a label, and a New Year's card, a visit in the letter, and a bill, and it becomes possible to create the text into which individual humanity news went very efficiently. Of course, the information stored in form is good also as a document format freely arranged including not only text information but an image, an animation, voice, etc.

[0013] If such form is maintainable as shown in claim 4, it is convenient. Since form can be updated freely, a seasonal greeting can be replaced for every season, for example, or various forms can be prepared. Moreover, when writing a New Year's card, for example, there is individual humanity news which is needed when a season comes. It is convenient, if required individual humanity news becomes the stage for every such season, and it will extract automatically and you will output. Then, as shown in claim 5, it is good to compose information of predetermined timing. for example, since information will be extracted and predetermined timing will be automatically outputted if the stage of a New Year's card, a midsummer greeting, a year-end present, and a midyear present, then its stage come, a New Year's card, a midsummer greeting, a year-end present, and midyear present appearance a failure to carry out are lost.

[0014] Furthermore, it is convenient if you output automatically the information of the individual who corresponds if the individual memorial day etc. is registered in addition to these general events and it becomes before a memorial day. Then, as shown in claim 6, the individual humanity news related information about the day or time of day related with individual humanity news is memorized, and an information organization means is good for the day or time of day based on the storage to compose information. If it does in this way, it will become unnecessary for a user to memorize each people's birthday, a wedding anniversary, etc. one by one, and a failure of a present etc. to present will be lost, for example.

[0015] Moreover, when emergency occurs about the informational change and the informational individual about an individual, a user may want the information early as much as possible. For example, it is the case where, and it was arrested or goes bankrupt etc. [that an individual dies] So, as shown in claim 7, when the demand of news flash is inputted, it is good to compose and output information immediately. Moreover, also when sexual high individual humanity news is inputted instantly, it is good to compose and output information immediately. In addition, reports, such as an incident, make a judgment whether sexual high individual humanity news was inputted instantly by taking out the occurrence of an incident etc. automatically based on the format etc. from news flash mail of the newspaper indicated in a predetermined format etc. When doing in this way, for example an individual dies, it is arrested or it goes bankrupt, a user can acquire the information immediately.

[0016] As shown in claims 5-7, when equipment outputs individual humanity news automatically, as shown in claim 8, it is good to compose the individual individual humanity news which the user specified beforehand. Since the individual individual humanity news specified by a user is automatically composed of doing in this way, it is lost that the information of the individual who is unrelated for a user is outputted.

[0017] By the way, if many users use together, since this personal-information-management equipment can carry out unitary management of the individual humanity news which each user has, it can take out further much individual humanity news. Moreover, two or more users are able to input information to the same individual. Therefore, if the user who got to know that individual humanity news had modification registers individual humanity news for example, when a certain individual's individual humanity news has modification, the individual humanity news after the user who does not know that there was modification also changing can be taken out.

[0018] However, if it uses in this way, sharing equipment, people can delete the information which someone registered or it can be perused. Therefore, it is also possible for people with malice to delete all information, or to alter. Then, it is good to restrict, when access-permission conditions are satisfied in case a maintenance means and an information organization means access a storage means as shown in claim 9, and to enable it to access a storage means. If it does in this way, only access from a specific user is permissible and only access from a specific computer can be permitted.

[0019] The success or failure of access-permission conditions may be judged based on the authentication information inputted through the input means, as shown in claim 10. Authentication information has a realistic combination of for example, the user ID and a password etc. Of course, a digital signature and an ID card, and biotechnology metric information, such as speech recognition and a fingerprint, may be used. Thus, by specifying a user according to authentication information, it enables it to change only the information which for example, the user itself registered, or the information into which only the same group's user was registered can be perused.

[0020] Furthermore, if access can be restricted for every each humanity news memorized for a storage means, the user who can access for every each humanity news can be specified. Then, as shown in claim 11, it is good to judge the success or failure of access-permission conditions based on the access-restriction information memorized with individual humanity news for a storage means. If the information which distinguishes public information and secret information is used as access-restriction information as shown in claim 12, a user can divide and use private individual humanity news not to open to others, and the individual humanity news which may be opened to others, for example. Furthermore, as access-restriction information, as shown in claim 13, using the information which shows an accessible user is also considered. If it does in this way, for example, only the man of the same firm can access information, and only the person belonging to a specific group can access information. Moreover, the information about the user who can do read-out, updating, and deletion, for example to each individual humanity news to register can be recorded separately, and a different access restriction to each actuation can also be carried out.

[0021] As mentioned above, by performing access restriction, modification of unprepared data can be prevented and it enables only a specific user to change or take out information. By the way, although a user may perform the input of such information, an input means acquires automatically the information on other computers connected through communication system, and you may make it input, as shown in claim 14. For example, the computer always updated by the newest individual humanity news as other computers is chosen, if individual humanity news is used as information to acquire, the newest individual humanity news will always be memorized by the storage means of this personal-information-management equipment, and a user can get the newest individual humanity news. Therefore, a burden for a user to update information can be reduced.

[0022] Moreover, if the operator guidance to information is inputted as information acquired automatically, for example, it can process based on directions of other computers. It is convenient when performing the same actuation repeatedly, especially since a user does not need to input directions serially and can input directions of processing collectively to equipment.

[0023] Moreover, WWW is used as communication system and you may make it acquire the data on WWW for example, using the World Wide Web robot which acquires the information on a WWW server automatically. However, data other than individual humanity news may be contained in the data on WWW in this case, and data may be unable to be saved for a storage means in a format as it is. Then, as shown in claim 15, in case an input means inputs information, it is good [a means] to input only the information which agrees on predetermined conditions from the inputted information.

[0024] It is good to use the approach of inputting the part which registers beforehand the keyword for specifying the information relevant to individuals, such as a "name" and "age", and follows this keyword as individual humanity news, the method of changing the information from various kinds of input units into a format storable in a storage means, etc. as predetermined conditions, for example. Individual humanity news can be automatically taken out only by a user inputting the text which contained individual humanity news by E-mail by doing in this way.

[0025] If information is acquired from various information sources through an input means as mentioned above, dispersion may appear in the credibility over information. For example, if it is the individual humanity news currently written to the card directly got from him, the information has high credibility. The information automatically acquired from WWW on the other hand, the information asked to hearsay may be the information that credibility is low. Thus, when the information that credibility is high, and low information are intermingled, and are memorized and the distinction does not stick, the credibility of the whole information memorized will become low. Then, it is good for the user itself to enable it to judge informational credibility by adding the credibility information which shows informational credibility to individual humanity news, memorizing it, as shown in claim 16, outputting the information, and showing a user. Moreover, you may make it show a user only the individual humanity news which has the credibility more than fixed using credibility information.

[0026] In addition, for example, the user itself determines informational credibility subjectively, may enable it to input

credibility information, and as shown in claim 17, the information which shows the acquisition path of individual humanity news may be used for it. You may make it use the medium by which information was indicated, and the location which received information as information which shows the acquisition path of individual humanity news. In this case, since the information about an informational acquisition path can be acquired along with individual humanity news, the firm and man relevant to that individual understand, and the effectiveness of being convenience is also acquired.

[0027] Moreover, the information which shows an informational acquisition stage as shown in claim 18 may be used. As information which shows an informational acquisition stage, an informational acquisition day and an informational registration day are mentioned, for example. Of course, you may use not only till a day but till time of day. If individual humanity news memorizes these stages and a user is shown together with individual humanity news, the user itself looks at the stage and can judge informational credibility. Moreover, if it, for example, specifies that it extracts only the information after a specific stage as an extraction condition, only the new information after a specific stage can also be extracted. Moreover, when the same person's individual humanity news exists in a storage means and the stage information on each individual humanity news differs for example, change of the individual's individual humanity news in alignment with a time-axis can be seen now, and the man's hysteresis can be known.

[0028] Furthermore, as shown in claim 19, it is good to maintain the information memorized for the storage means to predetermined timing. By maintenance, old information is deleted, for example, or overlapping information is summarized to one, and information is reconfigured. Moreover, every fixed time amount is sufficient as predetermined timing like 1 time for one month, for example, and it is good to be made to carry out when the remaining capacity of storage turns into below fixed capacity.

[0029] As furthermore shown in claim 20, the timing which maintains according to an informational acquisition path may be determined using credibility information. Thus, as a result of maintaining to predetermined timing, an operating capacity of storage can be made to push now and an informational retrieval rate is also accelerated.

[0030] By the way, although it may be outputted to the output destination change decided beforehand and the user who gave output directions, the output of the information for an output is convenient if an output destination change is changeable with directions of a user. Then, as shown in claim 21, it is good to make it output the information for an output to the output destination change inputted through the input means. thus, the thing to do - for example, to another user, the information for an output can be outputted or the information for an output can be outputted to the output destination change according to directions of a user.

[0031] Furthermore, it may be troublesome that a user specifies an output destination change one by one. Then, as shown in claim 22, it is good to memorize the output destination change for the storage means, and to output the information for an output to the output destination change based on the storage. If needed, a user may do storage of an output destination change beforehand, and it may memorize an output destination change according to the contents of the information for an output. Moreover, an output destination change may be equipment and may be a user.

[0032] Although the personal-information-management equipment of this invention can also be used independently as mentioned above, if a terminal unit and personal-information-management equipment are connected through a network and an individual humanity news managerial system is formed as shown in claim 23, since individual humanity news can be outputted and inputted in each home and each firm, it is convenient. If it does in this way, even if it is the location distant from the installation of personal-information-management equipment, personal-information-management equipment can be used through a communication network, and the time amount concerning acquisition of individual humanity news can be shortened.

[0033] In addition, as shown in claim 24, at least one of these terminal units may be the system which consists of personal-information-management equipment. If it does in this way, the personal-information-management equipments connected with the communication network can exchange information, and they can suit each other. Therefore, for example, if information on the storage means of each humanity news management equipment is always made the same by information interchange, the need of receiving information through a communication line to utilization time is lost, and the newest information can be acquired from the information stored in the storage means of a user's own terminal at a high speed. Moreover, even if it lapses into the condition that one personal-information-management equipment cannot be used, offering information with another personal-information-management equipment can be continued.

[0034] In addition, as shown in claim 25, it can have the function to realize the information organization means, the maintenance means, input means, and output means of personal-information-management equipment in a computer system, as a program started for example, by the computer system side. It can record on the record medium which can computer read the case of such a program, for example, a floppy disk, a magneto-optic disk, CD-ROM, a hard disk, etc., and can use by loading to a computer system and starting if needed.

[0035] By the way, as an individual humanity news managerial system, the following configurations are also effective. For example, the management center which invention according to claim 26 registers the various information about an individual, manages, and is offered, It is the individual humanity news managerial system which consists of two or more terminal units connected to this management center through the communication network at the communication line. Said management center If the identification information which specifies said individual is received, all the public information about an individual will be incorporated from a database, and it will be characterized by having a retrieval transmitting means to return the individual humanity news to said terminal unit which has transmitted said identification information.

[0036] According to the individual humanity news managerial system of this invention (claim 26), if the identification information which specifies an individual from a system subscriber's terminal unit is received, a management center will be incorporated from the database which manages the information collected through all communication networks and communication lines in all the public information about the individual, and will be returned to the origin of the transmitting person of identification information.

[0037] Therefore, since the information which added the information which only transmits the list with which chisels, such as a name, were indicated to a management center as identification information which specifies an individual, and corresponds to the identification information, for example, the address, a firm name, an executive, the telephone number, etc. is returned as individual humanity news to acquire the information of the individual who wants, the terminal unit itself does not need to collect information and is very convenient. Moreover, when the individual who wants is a same surname same name, a management center can be easily managed as individual humanity news by giving the information which can specify at least one individual other than a name.

[0038] Next, in invention according to claim 27, said management center will be characterized by having a means to update said data **--SU based on said the individual humanity news which received, if said individual humanity news is received. Thus, according to the individual humanity news managerial system according to claim 27, a management center will update a database based on the individual humanity news, if individual humanity news is received.

[0039] Therefore, since the individual humanity news can create and manage the newest database by being based at the individual humanity news in the case of the new or newest information, new--registering or updating data, a terminal unit side is user--friendly as a system which is not confused by the information which became old, can receive offer of the newest information from a management center, and manages individual humanity news.

[0040] Next, in invention according to claim 28, it connects with other databases through said communication line, and said terminal unit incorporates the information about said individual from these other databases, and is characterized by having a means to update the database of a self terminal unit based on the newest information.

[0041] According to the individual humanity news managerial system according to claim 28, thus, a terminal unit Require individual humanity news of a management center through a communication network, and by being provided A terminal unit minds a communication line uniquely as well as a database being sharable. With external information senders, such as a telephone and FAX The information about an individual is incorporated from broad information networks, such as other databases, i.e., a newspaper, the Internet, and external database system, and the database of a self terminal unit is updated to the newest information.

[0042] Therefore, although a terminal unit receives the newest individual humanity news from a management center, also when there is information [can build an original database, for example,] not to leak outside (for a management center to also be included), it can be updated to the newest individual humanity news including the information.

[0043] Next, said management center searches said database with invention according to claim 29 according to the demand from said terminal unit, and is characterized by having a storage means to extract and memorize the notice database which consists of information showing a notice stage and its contents, and the notice means which takes out a notice to said terminal unit according to said notice database by it.

[0044] Thus, according to the individual humanity news managerial system according to claim 29, when there is a notice demand from a terminal unit, a management center extracts the information showing a notice stage and its contents from a database, and memorizes it as a notice database. And if a notice stage draws near, the stage and the contents of the notice to a terminal unit with a notice demand will be notified.

[0045] therefore, a management center specifically as the notice stage and its contents from a terminal unit to the exchange of presents about a greeting (the New Year's card and year--end present), personnel affairs, congratulations and condolences, etc. of year ends and New Year holidays, and a pan While remembering as a notice database that the notice demand of giving a present on the birthday of who on April 1 will send a New Year's card and a year--end present to whom by end--of--the--year the 20th, when a notice stage draws near, Since a notice stage and its contents are notified automatically, a terminal unit can perform the contents, without missing the notice stage. And by the effect of the invention according to claim 26 to 29, even when those (destination) who are set as the object of the contents of a notice have moved, since it is updated by the newest individual humanity news, the contents of a notice can be performed certainly.

[0046]

[Embodiment of the Invention] [1st operation gestalt] drawing 1 is drawing showing the configuration of the individual humanity news managerial system as the 1st operation gestalt with which this invention was applied.

Drawing 1 (a) is the schematic diagram of the managerial system which consists of a management center 10 and two or more terminal units 12 (12A, 12B, 12C, --), and drawing 1 (b) is the block diagram of the database which the management center 10 manages.

[0047] In drawing 1 (a), the terminal unit 12 of the subscriber who has made a contract of the various information (individual humanity news) about an individual with the management center 10 registered, managed and offered to the individual humanity news managerial system is connected by the communication line 16 (Internet, intranet) through a communication network 14.

[0048] Moreover, on the communication line 16, the telephone 18 and FAX19 which are an external information sender are connected besides two or more terminal units. Although the telephone line of the cable most general to transmission and reception of character--string data is sufficient as a communication line 16, a satellite communication circuit, a cellular--phone circuit, the PHS telephone line, other wireless circuits, infrared ray

communication, or optical communication may be used for it.

[0049] Moreover, in drawing 1 (b), the management center 10 has managed as a database the individual humanity news collected from all public information, and is equipped with a data file 20, the database 22 only for terminal units, the notice stage database 24, the contents database 26 of a notice, and the database 28 according to individual in it.

[0050] And as for a data file 20, the management center 10 stores all the individual humanity news collected from various type media, such as a newspaper and a magazine, according to the information gathering demand from a terminal unit 12. Moreover, the database 22 only for terminal units classifies and stores all the collected individual humanity news in the individual humanity news corresponding to the demand for every terminal unit 12.

[0051] Moreover, the database 28 according to individual stores the individual humanity news collected when a terminal unit 12 required the information of the person who wants in the management center 10. Moreover, it mentions later about the notice stage database 24 and the contents database 26 of a notice, i.e., a notice database.

[0052] And a terminal unit 12 can also process the database which came to hand uniquely while it is sharable from the management center 10 in response to offer of the individual humanity news demanded out of these databases. Thus, a card is usually used for the individual humanity news managerial system of this constituted operation gestalt as one of the type media which obtains individual humanity news, such as a name, a firm name, affiliation, a title, a zip code, the address, the telephone number, a FAX number, and an E-mail number.

[0053] In that case, as a procedure in which a system subscriber (terminal unit 12) registers into the database of the management center 10 the card information acquired from the card, it is as follows. A subscriber's terminal unit 12 will transmit the information which can be read in the card to the management center 10, if a card is got from a customer etc. That is, the copy of a card is transmitted in FAX19 grade. And the management center 10 looks at the copy of the sent card, and registers the card information into a data file 20 in a manual entry. Moreover, a terminal unit 12 transmits the information read in the card to the management center 10 by E-mail. The management center 10 is registered into a data file 20 by making the card information into new individual humanity news. And it registers with the database 22 with which the individual humanity news of a terminal unit 12 which has transmitted was accumulated, i.e., the database only for terminal units.

[0054] Processing of individual humanity news is performed by flow as shows the individual humanity news managerial system of this operation gestalt to drawing 2. The management center 10 receives a request of the personal data base creation for which a terminal unit 12 asks with FAX or an electronic mail (S200).

[0055] This individual humanity news data consists of units of all the individual humanity news data for which a terminal unit 12 asks, and the individual humanity news data corresponding to each demand, and the former is called database 22 only for terminal units, and it calls the latter the database 28 according to individual. And the management center 10 registers these into a database based on the received individual humanity news data (S210).

[0056] The management center 10 collects the information about the individual registered into the database 22 only for terminal units, or the database 28 according to individual using a newspaper, the Internet, external database system, etc. For example, the list of names which carried the name of a person registered into the management center 10 are created every terminal unit 12, and information, such as staff reassignment, an unhappy notice, etc. about the person, is supervised with a newspaper, a magazine, etc. Moreover, when there is a criminal report, additional registration of that is carried out at list of names. Moreover, a bankrupt is advertised by the newspaper by the court and, as for a bankrupt, much activities are restricted. The financial institution needed to hold the bankrupt, in the management center 10, always supervised the bankrupt name in the newspaper etc., and has inputted it into the data file 20 (S220).

[0057] The management center 10 always does the activity periodically rewritten to the newest data once or twice renewal of a personal data base, for example, every month, so that it may be the newest individual humanity news data (S230). Moreover, when registering with a personal data base and a same surname same name is, the system discriminable for the information which can specify individuals, such as a birthday, and the address, the telephone number, is constructed. Moreover, the management center 10 also performs delivery vicarious execution business of sending a postcard and a gift instead of a terminal unit 12. For example, the management center 10 accepts the application of a condolatory telegram while connecting with a terminal unit 12 by means of communications, such as a telephone and the Internet, immediately, when the person who the terminal unit 12 wanted and registered with the individual humanity news managerial system has a misfortune. Moreover, a congratulatory telegram is also received when there is a person promoted by staff reassignment. Moreover, the management center 10 sends the chart of a person's address and name registered into the system to the terminal unit 12 which asked for the person, and has people with the need of sending a New Year's card chosen as an end of the year. A terminal unit 12 creates a New-Year's-card sending candidate list, and sends it to the management center 10. If the candidate list is received, the management center 10 will be used as an address label according to the candidate, or will stick an address label on a New Year's card, and will send it to a terminal unit 12. Creation of the sending label with which it presents to a midsummer greeting or **** etc. can be performed like the above-mentioned New Year's card.

[0058] In the management center 10, since the newspaper death advertisement was seen and individual humanity news data are updated, mistake of sending a New Year's card to the person who passed away carelessly can be prevented. Moreover, if the list in which the receiver's address candidate was described is sent to a terminal unit 12, a terminal unit 12 fills in a receiver's address name and a name of article and the management center 10 returns them again to the management center 10, the management center 10 will send an article to the receiver's address by vicarious execution at the season of a year-end present or a midyear present, applying order of a department

store automatically. Moreover, if a terminal unit 12 sends it to the management center 10 with FAX, an electronic mail, etc. when it gets a notice of a change of address from an individual, it will correct and update the management center 10 to new information, such as the address and the telephone number. Moreover, in the individual humanity news registered into a managerial system, when the birthday and the wedding anniversary are known, a terminal unit 12 will receive communication from the management center 10 by the previous day, and the management center 10 will accept the application of a congratulatory telegram, a present, etc.

[0059] A management center 10 tells a terminal unit 12 about the "notice stage" when contents with time constraint of "the contents of a notice" which shows the contents which cannot be predicted [news, for example, personnel promotion, death a criminal report etc.] / the individual humanity news which the contents based on the information offer demand of a terminal unit 12 and the management center 10 collected], or the stage based on the information offer demand of a terminal unit 12, for example, a midyear present and a year-end present, a birthday, etc. are shown.

[0060] When the management center 10 creates the notice database showing a notice stage and the contents of a notice, the format beforehand registered in the terminal unit 12 or the management center 10 and the so-called notice data form are used for the both database. The management center 10 will register respectively into the contents database 26 of a notice, and the notice stage database 24 the individual humanity news which shows the contents of a notice, and a notice stage, if the demand of notice database creation is received from a terminal unit 12. The management center 10 creates the notice data set summarized in the table etc. by the above formula (notice data form) based on (S240-YES), its contents of a notice, or a notice stage, when the contents of a notice or the notice stage to a terminal unit 12 draws near (it generated) (S250). And it transmits to the terminal unit 12 with a demand of the notice data set through a communication line 16, and a notice is completed (S260).

[0061] Here, the creation approach of each data set of the contents of a notice and a notice stage is shown in drawing 3 and drawing 4, respectively. When the contents of a notice occur newly according to the accident of the registrant of individual humanity news etc., it is analyzed what kind of contents the contents of a new notice need to notify to which terminal unit 12 soon by once being saved at a data file 20 (S300). The data of the analyzed contents of a notice are moved to the contents database 26 of a notice, and when the contents of a notice to the corresponding terminal unit 12, for example, a sick person, die, the notice data form equipped with items, such as death time, a death location, a name, a firm name, and an executive, is read from the management center 10 or the contents database 26 of a notice which registered beforehand the notice data form of terminal unit 12 assignment (S310). And creation of the contents data set of a notice is completed by including the contents of a notice in the notice data form (S320).

[0062] Next, the creation approach of a notice stage data set is explained based on drawing 4. Notice stage data are registered into the notice stage database 24 which is the component of the management center 10. since the season of a midyear present is near like creation of the above-mentioned contents data form of a notice — by [when] — whom — what — the notice stage data form equipped with the notice item which indicated it to be whether it would present (amount of money) is read from the notice stage database 24 (S400). And the notice data corresponding to notice stage data form are collected from the notice stage database 24, are embedded in notice stage data form, and a notice stage data set is created. In case the notice data which correspond from the notice stage database 24 are collected, it is desirable to set up so that notice data may be automatically assigned to data form (S410).

[0063] A terminal unit 12 can share a personal data base by requiring individual humanity news data of the management center 10. Moreover, the management center 10 is equipped with the service which updates automatically the personal data base which the terminal unit 12 required to the newest data. Furthermore, the management center 10 and a terminal unit 12 exchange new individual humanity news mutually, and suit, and a personal data base can be updated to the newest information, and can be shared.

[0064] Then, when the management center 10 and a terminal unit 12 exchange the updating (newest) data of individual humanity news mutually explains the flow of the updating approach of the database 22 only for terminal units based on drawing 5. The management center 10 compares the current information on the database 22 only for terminal units with the information on last time when there is a data alternating current last time, and current, and extracts a changed part of these data (S500). And the updating data for the modification (i.e., the database only for terminal units) are transmitted to a terminal unit 12 through a communication line 16 (S510). Similarly, the management center 10 receives the updating data of the database only for terminal units through a communication line 16 from a terminal unit 12 (S520). Thus, by performing exchange (renewal of data) of the management center 10 and the mutual updating data in a terminal unit 12, the newest database only for terminal units can be created, and it can share mutually (S530).

[0065] Next, when only a name-of-a-person list is offered from a terminal unit 12 to the management center 10 in the approach of generating the database 22 only for terminal units according to the demand from a terminal unit 12, the management center 10 can also create a new database based on the name-of-a-person list, and can also return it to the terminal unit 12 which required creation of the database. The flow in such a case is explained based on drawing 6.

[0066] In creating the database of the person who wants, the terminal unit 12 makes the list only of names of persons first. Next, the list only of names of persons is transmitted to the management center 10 which collects all the public information about an individual and is creating the database through a communication line 16. The management center 10 receives the new personal data base generation request from a terminal unit 12 (S600). The

management center 10 newly builds the database 22 only for terminal units based on a name-of-a-person list (S610). It looks for the data about the name of a person mentioned to the list of databases 22 only for the terminal units out of the database 28 according to individual which has managed individual humanity news, and the database 22 only for terminal units, and the individual humanity news data applicable to the name of a person are extracted (S620). And all the extract data that accompany the name of a person which a terminal unit 12 requires are written in the database 22 only for terminal units created newly (S630). Thus, the created database 22 only for terminal units is transmitted to the demanded terminal unit 12 as new individual humanity news data of the database according to individual (S640).

[0067] Moreover, when there is a same surname same name by the demanded name of a person, since the individual humanity news of all the members' same surname same names is returned, the management center 10 can test by comparison the person who wants out of it to the identification information which specifies individuals other than a name, and can choose a terminal unit 12.

[0068] As mentioned above, in the individual humanity news managerial system of this operation gestalt, if the identification information which specifies an individual from a system subscriber's terminal unit 12 is received, the management center 10 will incorporate all the public information about the individual from a database, and will return it to the origin of the transmitting person of identification information, as explained. Therefore, since the information which added the information which corresponds to the identification information only by transmitting the list with which chisels, such as a name, were indicated to the management center 10 as identification information, for example, the address, a firm name, an executive, the telephone number, etc. is returned as individual humanity news to acquire the information of the individual who wants, terminal unit 12 itself can save the time and effort which carries out the newest troublesome information gathering, and is very convenient.

[0069] Moreover, by giving the identification information which can specify at least one individual other than a name, when the individual who wants is a same surname same name, a management center can specify an individual easily and can manage him as individual humanity news. Moreover, if individual humanity news is received from a terminal unit 12, since a database will be updated based on the individual humanity news, when individual humanity news is the new or newest information, by being based on the individual humanity news, new-registering or updating data, the management center 10 can create the newest database and can be managed. Therefore, a terminal unit 12 is not confused by the information which became old, and can receive offer of the newest information from the management center 10.

[0070] A terminal unit 12 moreover, by requiring individual humanity news of the management center 10 through a communication network 14 A terminal unit 12 minds a communication line 16 uniquely as well as a database being sharable. With the external information sender of a telephone 18 or FAX19 grade Individual humanity news is incorporated from broad information networks, such as other databases, i.e., a newspaper, the Internet, and external database system. Since the database of the self terminal unit 12 is updated to the newest information, a terminal unit 12 Although the newest individual humanity news from the management center 10 is received, also when there is information [can build an original database, for example,] not to leak outside (for the management center 10 to also be included), it can update to the newest individual humanity news including the information.

[0071] Moreover, when there is a notice demand from a terminal unit 12, if the information showing a notice stage and its contents is extracted from a database, it memorizes in a notice stage database and the contents database of a notice and a notice stage draws near, since the management center 10 will notify the stage and the contents of the notice to a terminal unit with a notice demand, a terminal unit 12 can use the contents in it, without missing the notice stage. And even when those (destination) who are set as the object of the contents of a notice have moved, since it is updated by the newest individual humanity news, the contents of a notice can be used certainly.

[0072] As mentioned above, although 1 operation gestalt of this invention was explained, this invention is not limited to the above-mentioned operation gestalt, and can take various modes. For example, although the management center 10 explained that the information was registered into a database in a manual entry when FAX19 received the individual humanity news (card information) from a terminal unit 12, it is good also as what reads with a scanner etc. and is edited automatically.

[0073] Moreover, you may prepare any number of times, without naturally restricting an updating date, although it explained that it updated periodically once or twice every month so that it may be individual humanity news data of the newest [center / 10 / management] always, and it is not necessary to update not necessarily periodically, and you may carry out at random.

[2nd operation gestalt] drawing 7 is drawing showing the configuration of the personal-information-management equipment 100 as the 2nd operation gestalt with which this invention was applied. Personal-information-management equipment 100 is equipped with the body 103 of a computer, a keyboard 105, a display 107, the printer 109, the scanner 111, FAX modem 113, and the network interface 115.

[0074] The body 103 of a computer performs actuation which is equipped with CPU, an input/output interface, etc. which have predetermined capacity, and mentions them later by the built-in program. A keyboard 105 outputs text or directions to the body 103 of a computer, and a display 107 displays the image information outputted from the body 103 of a computer. A printer 109 prints in a form the image information outputted from the body 103 of a computer, and a scanner 111 scans images, such as a newspaper and a card, and it outputs it to the body 103 of a computer.

[0075] It connects with the telephone line 117 and FAX modem 113 transmits FAX to the transmission place specified with reception and the body 103 of a computer in image information from the body 103 of a computer.

Moreover, conversely, from the telephone line 117, FAX modem 113 receives FAX and outputs it to the body 103 of a computer as image information.

[0076] It connects with a communication network 119 and a network interface 115 outputs the information on another computer transmitted through a communication network 119 to the body 103 of a computer. Moreover, a network interface 115 transmits conversely the information outputted from the body 103 of a computer to another computer through a communication network 119. In addition, the communication network 119 is connected to the Internet.

[0077] Store 103a built in the body 103 of a computer is a hard disk, and records the information inputted into the body 103 of a computer. In addition, an input unit 120 is equivalent to an input means, and an output unit 122 is equivalent to an output means. Drawing 8 is the processing performed in the body 103 of a computer, and the data flow diagram showing an information flow. Since the personal data base 30, the emergency call form file 32, and the stage report form file 34 are memorized by store 103a of drawing 7, these are first explained to it. A personal data base 30 is a database which memorizes individual humanity news, and the emergency call form files 32 are the multiple files which stored the form of the fixed form document outputted to a user, when the individual humanity news which should be immediately notified to a user occurs. Moreover, the stage report form files 34 are the multiple files which stored the form of the fixed form document used according to a stage.

[0078] On the other hand, the body 103 of a computer of drawing 7 performs the input process 50 of drawing 8, the maintenance processing 54, the individual humanity news organization processing 40, the emergency call organization processing 42, the stage report organization processing 44, and output processing 52. Hereafter, these are explained in order. First, input process 50 is processing which starts each processing based on directions and information that it was inputted from the input unit 120, and sends directions and information to each processing.

[0079] Moreover, the maintenance processing 54 is processing which maintains registration, updating, and deletion of a personal data base 30, the emergency call form file 32, and the stage report form file 34. The individual humanity news organization processing 40 is processing which extracts individual humanity news from a personal data base 30, and composes the information for an output.

[0080] The emergency call organization processing 42 is processing which includes in the individual humanity news extracted from the personal data base 30 to the emergency call form file 32, and composes an emergency call as information for an output. The stage report organization processing 44 is processing which includes in the individual humanity news extracted from the personal data base 30 to the stage report form file 34, and composes a stage report as information for an output.

[0081] And output processing 52 outputs the information for an output composed of the individual humanity news organization processing 40, the emergency call organization processing 42, and the stage report organization processing 44 to the output unit 122 of drawing 7. Input process 50 is equivalent to an input means, the maintenance processing 54 is equivalent to a maintenance means, and the maintenance processing 54 is equivalent to a maintenance means here. Moreover, the individual humanity news organization processing 40, the emergency call processing 42, and the stage report processing 44 are equivalent to an information organization means, and output processing 52 is equivalent to an output means.

[0082] Then, data flow is explained according to the directions into which it was inputted by input process 50. If the inputted directions are informational registration, updating, and deletion, the maintenance processing 54 will be started. This maintenance processing 54 performs actuation of informational registration, updating, and deletion to a personal data base 30, the stage report form file 34, or the emergency call form file 32 based on the inputted directions.

[0083] Moreover, when the inputted directions are the extract of individual humanity news, and directions of an output, the individual humanity news organization processing 40 is started. Of this individual humanity news organization processing 40, based on the inputted directions, individual humanity news is extracted from a personal data base 30, it composes as information for an output, and output processing 52 is started by it. And in the started output processing 52, the information for an output is outputted to the user who inputted output directions.

[0084] In the emergency call output directions whose inputted directions output individual humanity news immediately on the other hand, the emergency call organization processing 42 is started. Starting of the emergency call organization processing 42 is performed, when directions of emergency call organization are inputted into input process 50, or when the information which should be immediately outputted to the inputted information is included. In addition, input process 50 makes a judgment whether the information which should be immediately outputted to the inputted information is included by whether it is contained in the character string into which the phrase set up beforehand was inputted.

[0085] The emergency call organization processing 42 started by input process 50 extracts the individual humanity news of the object of emergency call output directions from a personal data base 30, composes it as information for an output, and starts output processing 52. The started output processing 52 outputs the information for an output to the output destination change to which it was directed by the emergency call organization processing 42. Here, the decision of an output destination change is made as follows. First, the user decides the individual for a monitor who wishes the output of an emergency call, and inputs the list of the individual into this personal-information-management equipment 100. Next, the correspondence relation between this list and a user is memorized to the personal data base 30. And when the individual in this list and the individual of the object of emergency call output directions are in agreement, the user of an output destination change is determined from this correspondence relation.

[0086] In addition, in case the information for an output is composed, the form which is in agreement with the contents of a report is read from the emergency call form file 32 stored in the emergency call form file 32, the individual humanity news extracted from the personal data base 30 in the form is embedded, and the information for an output is composed.

[0087] Moreover, when directions of the purport which outputs individual humanity news in relation to a specific day are inputted, stage report organization processing 44 is automatically performed at 1 time predetermined time of day every day. A New Year's card and the hottest season, if before annual events, such as ****, a year-end present, and a midyear present, etc. is the day when the output request of a stage report is set up beforehand, the day which performed stage report organization processing 44 will embed the individual humanity news extracted from the personal data base 30 at the corresponding stage report form file 34, and will compose a stage report as information for an output to it.

[0088] The decision of the output destination change by this stage report organization processing 44 is made as follows. First, the user decides the class of stage report expected the individual for a stage report output who wishes the output of a stage report, and inputs the list into this personal-information-management equipment 100. The correspondence relation of that list and user is memorized to the personal data base 30, and when the day which should output stage information comes, a stage report is composed as information for an output using this correspondence relation. Furthermore, the user of an output destination change is determined from the correspondence relation.

[0089] Hereafter, the concrete personal data base 30 and the configuration of each file, and actuation of each processing according to the configuration are explained using drawing. A personal data base 30 consists of formats containing each table of the individual humanity news table 60, the user table 62, the information source table 64, the persons-concerned table 66, the annual event table 68, and the stage information table 70 classified by individual, as shown in drawing 9 and drawing 10. In addition, about the contents of each table in each drawing, a part of example of the information registered into each table is extracted and illustrated.

[0090] The individual humanity news table 60 of drawing 9 (a) Uniquely The acquisition place of the information shown on the information source table 64 of the user code and drawing 9 (c) which records the user code of the information provider who offered the individual humanity news shown on the user table 62 of the registration day and drawing 9 (a) which records the registration day of the individual humanity news identification number and individual humanity news which consisted of figures which can be specified It consists of trains of the shown information source code and name, a firm name, affiliation and an executive, the telephone number, an e-mail address, and the address.

[0091] The user table 62 is a table which stores the information of the user of this personal-information-management equipment 100, and consists of an e-mail address and a FAX number of the user group, user name, and user showing the group to whom the password and user used in order to attest a user to the utilization time of the user code and this personal-information-management equipment 100 which consisted of figures which can be specified as a meaning belong.

[0092] The information source table 64 is a table on which correspondence with an information source code and the information source is memorized, and consists of trains of an information source code and the information source. The persons-concerned table 66 of drawing 10 (a) is a table showing correspondence of the individual related to a user and a user, and consists of individual humanity news identification numbers shown on the user code and the individual humanity news table 60 shown on the user table 62. The list of names for every user can be created from the correspondence relation of this table.

[0093] The annual event table 68 of drawing 10 (b) is a table showing correspondence with the output date of record which is the output term of annual events, such as a New Year's card, a midyear present, and a midsummer greeting, and the stage report file name which is a file name of the stage report form file 34. The stage information table 70 classified by individual of drawing 10 (c) is a table showing the correspondence of the memorial day for every individual, and the file name of the emergency call form file 32 into which individual humanity news is registered.

[0094] Hereafter, a detailed operation gestalt is shown with the example of use of this personal-information-management equipment 100. A terminal unit and FAX are installed in A company 220 of drawing 12, and personal-information-management equipment 100 is installed in the management center 200. These equipments are connected by the communication network, the telephone line, etc.

[0095] In the management center, the user was beforehand registered into the user table 62 of this personal-information-management equipment 100, and it has inputted from the information source which also shows the individual humanity news of the individual humanity news table 60 in the information source table 64. Moreover, staff reassignment, unhappy notice, and bankrupt information and offender information are also inputted. The input of such information is performed by the manual entry from the keyboard 10 of a management center, or the card which was mailed by the newspaper and the user with the scanner 111 and to which it came is read, and by OCR, it text-izes and inputs. In order for individual humanity news to come to hand automatically furthermore, using WWW servers, such as each firm connected to the communication network 19, to a World Wide Web robot, acquire information automatically, and it inputs or information is inputted also from the electronic mail.

[0096] In addition, the extract of the individual humanity news for inputting individual humanity news into the individual humanity news stage information table 60 or 70 classified by individual is performed as follows by input process 50 from the inputted information. First, only text information is taken out out of the inputted information,

and highlighting of the part containing each subject name of the individual humanity news table 60 and the part about the date is carried out out of the taken-out text, and it displays on a display 107. The manager of a management center specifies the part which can be registered into the individual humanity news stage information table 60 or 70 classified by individual among the parts by which highlighting was carried out using a mouse 6. If assignment for an individual is completed, when a completion carbon button will be clicked, a manager has the specified part taken out and is stored in the individual humanity news table 60. When the date is specified at this time, it is choosing which memorial day the specified date being, and stores in the stage information table 70 classified by individual.

[0097] Moreover, when the format is beforehand decided like a card, the newspaper staff reassignment column, or a death advertisement, the individual humanity news which can be registered into the individual humanity news table 60 according to the format is taken out automatically. Here, a World Wide Web robot is equivalent to an information acquisition means, and the processing which takes out the part which can be registered into the individual humanity news table 60 from a text is equivalent to an information filter means.

[0098] If a user accesses this personal-information-management equipment 100 from a terminal unit, directions of an input of a user code and a password will be displayed on a terminal screen. A user enters his own user code and password from a terminal unit. The authentication processing which is not illustrated judges whether it is in agreement with the inputted user code and the thing by which the password is registered into the user table 62. And when in agreement, it is attested as a user, and access to a personal data base 30 is attained. In addition, the user under access is specified in the address of a terminal etc. Completion of authentication processing displays a menu for a user to input directions on a terminal unit.

[0099] If "registration of individual humanity news" is chosen from a menu when a user gets a New Year's card, a notice of a change of address, etc., and registering individual humanity news into a management center, the screen which inputs the information on each train of the individual humanity news table 60 into a terminal unit will be displayed. If a user inputs information into this table, the inputted individual humanity news will be added to the individual humanity news table 60 by the maintenance processing 54. Moreover, an input is possible similarly about the stage information table 70 classified by individual.

[0100] In addition, in case a user inputs into a table, the access restriction of whether the individual humanity news is exhibited for every each humanity news, only the inside of a group is exhibited, or to consider as secret can be chosen. A selected access restriction is memorized by the individual humanity news table 60 with the information source code of the corresponding information source table 64. Under the present circumstances, user code and registration day of the user who inputted are also memorized to coincidence.

[0101] If "retrieval of individual humanity news" is chosen from a menu when a user wants to use individual humanity news, the table which inputs a search key into each train of the individual humanity news table 60 will be displayed on a terminal unit. If a search key is inputted into the displayed table, the individual humanity news organization processing 40 will extract the line which is in agreement with a search key from the individual humanity news table 60. In it An information source code The line of information source codes other than 9999 (secret) or 9990 (public presentation in a group), The line of the same user code as the user code of the user who inputted the search key when an information code was 9999, and in the case of 9990 The user code of other users who are in agreement with the user group of the user who inputted the search key is obtained from the user table 62, only the line which is in agreement with the user code is extracted, and it displays on a terminal screen in a table format.

[0102] Thus, a user can divide and use public information, the public information in a group, and secret information according to individual humanity news. Since it is not perused by others even if the information which the user itself can peruse is private individual humanity news and it can also register the information which feels easy, and can register and only the staffs of a firm and the man of a group firm can use, it can also register information to share only within a group.

[0103] In addition, you may make it restrict this access to a detail further. For example, as each user belongs to two or more groups, a group may be hierarchized, and you may make it restrict the user who can do perusal, deletion, and updating, respectively. Moreover, the train only for access restriction is prepared in the individual humanity news table 60, and you may make it store it apart from the information source. If it does in this way, the user by the side of a terminal can also specify the information source as a detail. furthermore — for example, the train which specifies other accessible users as the user table 62 — creating — the — an information machine ***** limit can be carried out.

[0104] Moreover, as shown in the individual humanity news table 60 (refer to drawing 9 (a)), the registration day, the user code, and the information source code are attached to the individual humanity news displayed on a terminal screen in a table format. Therefore, a user can use for turning out when it is what was inputted by whom from which information source, and the individual humanity news judging the credibility of the displayed individual humanity news. Moreover, since individual humanity news continues being registered every day, the old information in which the information source carried out fixed period progress among [day / registration] a robot's things is deleted by the maintenance processing 54. Consumption of the capacity of storage 103a can be held down by this maintenance.

[0105] Thus, each line of the individual humanity news displayed on the terminal screen in the table format can be chosen by the mouse and keyboard of a terminal unit. Moreover, new individual humanity news can be inputted into each line of the displayed individual humanity news from a keyboard. Under a table, the menu which can input the directions to the selected individual humanity news and the directions to the selected individual is. With a menu,

dispatch of the mail to the individual who the individual persons-concerned-registered [deletion of the selected information, renewal of the selected information, and / selected], and chose, FAX to the selected individual, and the letter to the selected individual, the telegram to the selected individual, the telephone to the selected individual, and the present to the selected individual can be chosen.

[0106] In addition, that selection of dispatch of e-mail, FAX, and a letter, a telegram, a telephone, and a present is attained is only the case where a mail address, the telephone number, the address, the telephone number, the telephone number, and the address are contained in all the selected individuals' individual humanity news, respectively. When a user chooses "deletion of the selected information", the individual humanity news identification number chosen from the terminal unit is received, and the line which corresponds from the individual humanity news table 60 is deleted by the maintenance processing 54.

[0107] Moreover, when a user chooses "renewal of the selected information", the individual humanity news newly inputted as the individual humanity news identification number chosen from the terminal unit is received, and the maintenance processing 54 updates the line to which the individual humanity news table 60 corresponds. However, only the information which the user itself who is going to do deletion or updating registered by the same processing as the above-mentioned access restriction is deleted or updated in the case of deletion or updating.

[0108] When a user chooses "selected persons-concerned registration of an individual", the individual selected individual humanity news identification number is matched with the user code of the user who directed selection, and the maintenance processing 54 registers with the persons-concerned table 66. In addition, the menu which operates it to the individual humanity news of each user's persons concerned is prepared, and using this persons-concerned table 66, as the individual humanity news of the individual related to a user can be operated on the menu displayed after the above-mentioned authentication, it may be made it.

[0109] When "mail to the selected individual" is chosen, the screen which inputs the manuscript sent to the selected individual is displayed on a terminal screen. If a user inputs a manuscript and a manuscript transmitting menu is chosen, a manuscript and an e-mail address will be transmitted to the personal-information-management equipment 100 of the management center 200. Personal-information-management equipment 100 inputs an e-mail address and a manuscript from a terminal unit, and a manuscript is transmitted to the e-mail address which started output processing 52 and was specified. In addition, also in dispatch of FAX to the selected individual, and the letter to the selected individual, and the telegram to the selected individual, it transmits using the corresponding destination by the same processing as the case where the mail to the selected individual is chosen. However, in dispatch of a letter, a mailing label and a manuscript are printed from the printer 109 of a management center as equipment of the output destination change by output processing 52.

[0110] If "the telephone to the selected individual" is chosen, an attached telephone will telephone a terminal unit. Moreover, when "the present to the selected individual" is chosen, a present selection screen is displayed on a terminal and the selected address and the selected telephone number of a present and the destination are inputted into personal-information-management equipment 100. A mailing label is printed like the case of the above-mentioned letter, and a present is shipped in the management center 200.

[0111] Now, a user not only can access and use for personal-information-management equipment 100 actively, but like the above example of use, when the registered individual has an incident, accident, etc., it sends an emergency call from the personal-information-management equipment 100 side to a user. For example, bankrupt information, offender information, etc. are financial institutions etc., and since it is used in each firm and these are sent automatically, staff reassignment and an unhappy notice are very convenient.

[0112] The report to send is saved according to files, such as a notice of an unhappy notice and a bankrupt, a notice of an offender, and staff reassignment, as an emergency call form file 32. An example of these files is shown in the emergency call form file 90 of drawing 11 (a). Drawing 11 (a) is an emergency call form file which shows the contents of hasan.txt the part enclosed in the parenthesis like {time}, a {name}, and a {location} in hasan.txt corresponds in a parenthesis automatically [the emergency call organization processing 42] from the text inputted from the newspaper information source by processing equivalent to the above-mentioned information filter means, and same processing — it takes out information picking and a parenthesis part is replaced. Moreover, the individual humanity news which replaces and corresponds to the done text from the individual humanity news table 60 is extracted, the extracted table is attached and an emergency call is composed. Thus, the composed emergency call is displayed on a user's terminal by output processing 52. With an emergency call, the same menu as the case of the above-mentioned "retrieval of individual humanity news" is displayed on a user's terminal, and selection of an electronic mail, FAX, a telegram, a present, etc. is made to it. In addition, the emergency call organization processing 42 determines the output destination change which composes and outputs an emergency call by the conversion table of the individual humanity news identification number of the persons-concerned table 66, and a user code.

[0113] The stage report organization processing 44 embeds and outputs the list of the persons concerned for every user specified on the persons-concerned table 66 to the file which is performed once every day as above-mentioned, for example, will be specified by the stage report file name if an activation day is ten days before the output date of record of the annual event table 68. That is, for example, as shown in drawing 10 (b), supposing the day when stage report processing 44 was performed is on December 1 Since it hits ten days [on December 10 which is the output date of record of stage information file name nenga.txt of the annual event table 68] ago, The list of the individual humanity news of the individual applicable to nenga.txt as shown to each user by drawing 11 (b), and the personal identification number specified on the persons-concerned table 66 will be extracted from the individual humanity news table 60 of drawing 9 (a), and will be composed for every user.

[0114] Moreover, the individual humanity news of the individual who corresponds if an activation day is ten days before the output date of record registered into the stage information table 70 classified by individual is embedded and outputted to the corresponding file of a stage report file name. The example of each file of the stage report form file 32 is shown in the stage report form file 100 of drawing 11 (b). The date taken out from tanjyo.txt of the stage information table 70 classified by individual of drawing 10 (c) is put into a [output date of record] in tanjyo.txt of drawing 11 (b). Moreover, it asks for the individual humanity news identification number of the individual who corresponds from this table, and the name of the individual who corresponds from the individual humanity news table 60 of drawing 9 (a) is extracted. The extracted name is replaced with the [name] of drawing 11 (b) tanjyo, and let it be the information for an output. Thus, a message can also be sent for every individual.

[0115] Since the information relevant to a specific date is automatically sent to a user as mentioned above, a failure of a New Year's card and a present to send can be prevented. Moreover, in case such information is outputted, a present and a telegram can also be received from a terminal unit as mentioned above.

[0116] As mentioned above, this invention is not limited to such an operation gestalt at all, and can be carried out with various gestalten in the range which does not deviate from the main point of this invention. For example, although it was the configuration of performing the input of individual humanity news or directions through a terminal unit with the above-mentioned operation gestalt, the configuration of inputting FAX by OCR or inputting it by speech recognition from a telephone may be used. The configuration of using various media, such as an electronic mail, a telephone, and FAX, also about the output of a report etc. may be used. Moreover, the format of a database can also take various configurations and can manage further much information. For example, the information about congratulations and condolences, bankruptcy, and a crime may be stored in the individual humanity news table 60. Furthermore, a gestalt also with various configurations of processing can be taken. For example, it may be made to perform processing which embeds individual humanity news in form in the case of the individual humanity news organization processing 40, and you may make it not output the composed information immediately.

[0117] Moreover, you may make it save the image information and speech information which are inputted from a scanner, a FAX modem, a network, etc. as individual humanity news at a personal data base, and the file of the files which consisted of markup languages, such as HTML and XML, and various kinds of formats may be used as each form.

[0118] And when [of drawing 12] A company installs not only in 220 but in each company, an informational share and use can do this personal-information-management equipment 100, and it can join in the business of each company and everybody, and can use. For example, you may make it the management center 200 ship a present for directions of the destination of a present etc. from delivery and a department store to the terminal unit automatically installed in the department store. Moreover, the claim place of the price at that time can also be used for the terminal unit installed in a bank at delivery and settlement of accounts. Furthermore, two or more management centers 200 may be formed not only in one place.

[0119] When putting it into a holder, and managing it, for example, sending a New Year's card, it becomes unnecessary according to such a system, to do the activity of copying it, when a card is got from others. If a card is got, a user will register the data into a computer in delivery and the management center with FAX, an electronic mail, etc. in the management center, and will create list of names for every client. And the staff reassignment about the man and an unhappy notice are supervised in the newspaper etc.

[0120] That it is necessary to send the chart of address and name to a client, and to send a delivery New Year's card to a delivery client accepts a delivery application for the list of which man and identifiers at an end of the year. If only a required person receives, in the management center, it will be made an address label, or an address label will be stuck on a New Year's card, and it will send to a client. The same is said of the midsummer greeting. In the management center, since the newspaper death advertisement was always seen and data are updated, it being absent-minded to the person who passed away, and sending a New Year's card is lost.

[0121] The list of destination candidates is sent in the season of a year-end present and a midyear present. If a name of article is filled in as the identifier of the destination and it returns, an article will be automatically sent from a department store. Moreover, it saw in the newspaper etc., when there was individual parents' etc. misfortune, he struck the condolatory telegram or had gone out for the funeral, but since unhappy information etc. is sent automatically, it is not necessary to check a newspaper. Moreover, when staff reassignment occurred, it saw in the newspaper and the congratulatory telegram etc. was struck, and the need is also lost. Furthermore, for example, although the main work of the personnel affairs division of a firm is grasping a customer's staff reassignment and taking out the notice of transfer and a notice of a change of address many took time and effort, if it registers with the management center in advance, the need will also be lost. Moreover, since each firm had done such an activity according to an individual, it was inefficient, but since it bundles up in this system and can manage, the need does not exist, either. If each politician who is shining and looking at the eye to the unhappy notice of a constituency uses this system, it will become unnecessary for example, to supervise scatteringly for every politician.

[0122] Moreover, the salesman always needed to keep an eye on a customer's personnel information, and in one firm, each salesman overlapped according to the individual and he was collecting personnel information. Having collected information according to the individual, especially when there were two or more marketing channels and there were many offices and a salesman — if — serious seen from the whole firm — it is useless. Then, this personal-information-management equipment is installed for every office, and it becomes possible by giving each salesman a terminal unit to carry out package management of the information.

[0123] Furthermore, in the management center, it has the database of a telephone directory, and if the telephone

number is inputted by E-mail, the address, a name of a person, etc. will be made by the client on the screen of a terminal that it will be displayed. If the contents of an input are recognized to be the right, it will register with a management center automatically. Although a right name of a person is not displayed that those who want to register are a telephone owner's families, it can register by correcting the identifier of a name of a person on a screen in this case. When the person who registered has a misfortune, both applications of a condolatory telegram are also accepted as if a client is contacted immediately. A congratulatory telegram is also received when promoted by staff reassignment.

[0124] The address will be corrected, if it is sent to a management center when a notice of a change of address is got. When a birthday and a wedding anniversary are known, a client is contacted before the day and the application of a congratulatory telegram and a congratulation article is accepted. Since the congratulatory telegram, the condolatory telegram, and the application form of a present are being interlocked with the above-mentioned communication, it is very convenient. Also when sending a New Year's card, the list of identifiers can be seen in advance, and the people without the need can check and can delete.

[0125] Moreover, a notice of a change of address, the notice of transfer, etc. are only notified to a management center, and take out a notice to the appointed man. In the management center, when there is a criminal report, data are added. A financial institution etc. wants this data. A newspaper is publicly notified of a bankrupt from a court. The activity of versatility [bankrupt] is restricted. A financial institution surely needs to hold the identifier. a management pin center, large — the bankrupt — always — a newspaper — since — it has inputted.

[0126] If the page of those who have been registered by speech recognition if it means an identifier toward a terminal to telephone, since the management center is connected in the communication line is displayed and it chooses from the men of a same surname same name, it will lead to a telephone automatically. When a telephone is not connected, it has means which can be chosen, such as FAX and an electronic mail, and literation is carried out by speech recognition and you may make it connected. It is made to carry out to many men by one-time actuation broadcast.

[0127] In the management center, since the secret information belonging to the privacy collected by itself and public information are divided clearly, only the persons concerned can peruse the information about privacy no longer.

Public information is what the management center collected uniquely, and if this is the member, anyone can use it. The information which the member collected uniquely is severely managed as secret information, and becomes as [use / only the member]. If a terminal ties to a management center, both privacy and public information will be seen in a screen. However, the information which others collected uniquely cannot be seen.

[0128] Only the staffs of a specific man or a specific firm may enable it to peruse. For example, only the staffs of B company can enable it to peruse the information collected at B company. Moreover, when creating the database about people by oneself, the list only of names of persons is made first, and the list only of the name of a person is sent to the management center which collects public information and is used as the database by the communication line. Then, public information, such as the address, office, and a hobby, is added and returned to the list only of names of persons. Since the all the members' information is returned when a same surname same name is, those who are considering as the purpose are chosen from the inside by themselves. If it does in this way, the time and effort which makes a database by itself can be saved sharply. Moreover, since the database will be updated once in 1 time and 1 in three months, the database about the newest man can always be owned.

[0129] When the database is owned beforehand and it is going to register more nearly newly than a terminal, if only the telephone number is inputted, from the database, a management center will call the name of a person registered with the telephone number, a firm name, the address, etc., and will display them on the left-hand side screen of a terminal. And a data input can be newly carried out to the contents displayed on a left-hand side screen by carrying out retouch correction suitably. That is, the time and effort of an input can be saved. It is also the same as even if it is not the telephone number, when a firm name, a name of a person, etc. are inputted.

[0130] Furthermore, a robot searches the inside of the Internet automatically, and the newest information is acquired in order to collect and update the data about a person.

[Translation done.]

* NOTICES *

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- 2.**** shows the word which can not be translated.
- 3.In the drawings, any words are not translated.

DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]

[Drawing 1] They are the schematic diagram (a) of an individual humanity news managerial system, and the block diagram (b) of a management center.

[Drawing 2] It is a flow chart showing the management of individual humanity news performed in the management center.

[Drawing 3] It is the creation procedure of the contents data set of a notice.

[Drawing 4] It is the creation procedure of a notice stage data set.

[Drawing 5] It is the update procedure of the database only for terminal units.

[Drawing 6] It is the procedure which creates a new database based on a name-of-a-person list.

[Drawing 7] It is the block diagram showing the outline configuration of the personal-information-management equipment of an operation gestalt.

[Drawing 8] It is the data flow diagram showing the data in the body 103 of a computer, and the flow of processing.

[Drawing 9] It is an example of the table stored in a personal data base 30.

[Drawing 10] It is an example of the table stored in a personal data base 30.

[Drawing 11] It is the example of the emergency call form file 32 and the stage report form file 34.

[Drawing 12] It is the example of use of the individual humanity news managerial system of an operation gestalt.

[Description of Notations]

10 [— A communication line, 18 / — A telephone, 19 / — FAX, 20 / — A data file, 22 / — The database only for terminal units 24 / — A notice stage database, 26 / — The contents database of a notice, 28 / — Database according to individual] — A management center, 12 — A terminal unit, 14 — A communication network, 16 100 [— A display, 109 / — A printer, 111 / — A scanner, 113 / — A FAX modem, 115 / — A network interface, 117 / — The telephone line, 119 / — A communication network, 120 / — An input unit, 122 / — An output unit, 124 / — Terminal unit] — Personal-information-management equipment, 103 — The body of a computer, 105 — A keyboard, 107

[Translation done.]

* NOTICES *

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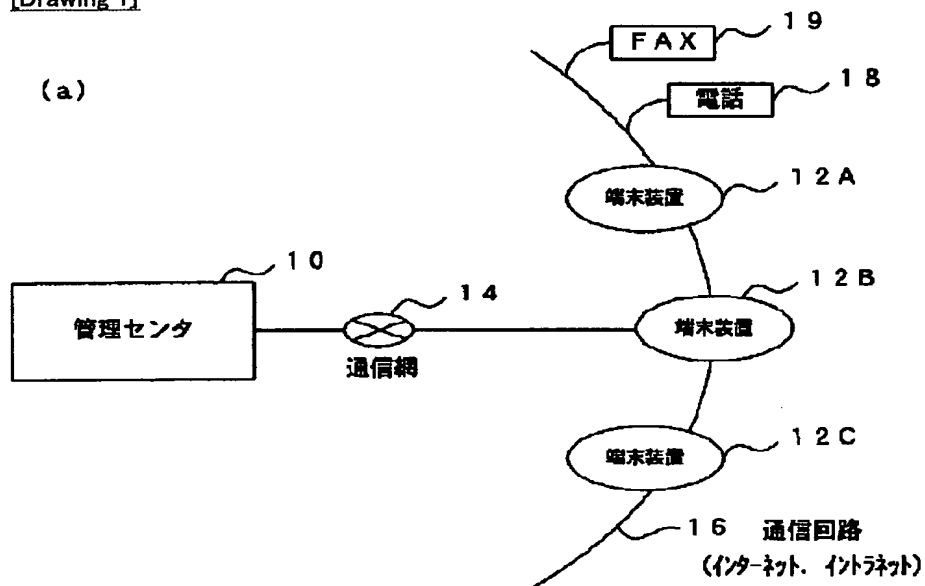
1.This document has been translated by computer. So the translation may not reflect the original precisely.

2.**** shows the word which can not be translated.

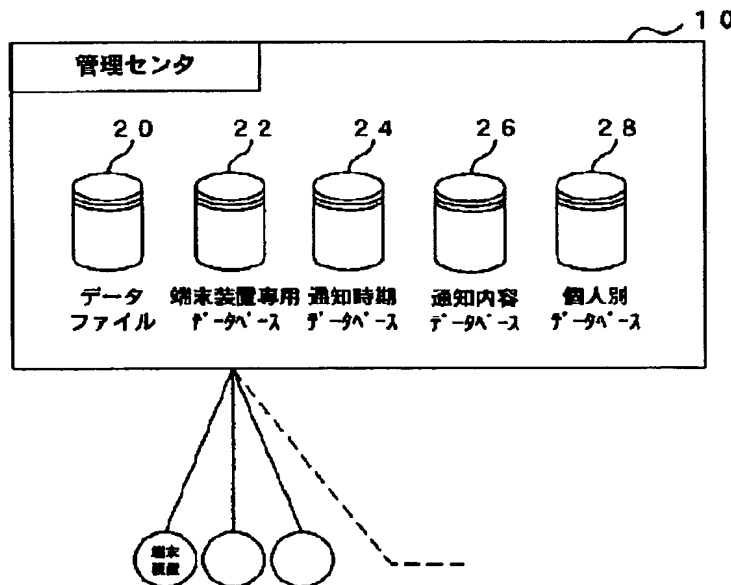
3.In the drawings, any words are not translated.

DRAWINGS

[Drawing 1]



(b)



[Drawing 10]

(a) 関係者テーブル 66

利用者 コード	個人情報識別 番号		
0001	0000001	0000002	...
0101	0000003	0000006	...
0102	0000005	...	
0201	0000004	...	
0202	0000004	...	
0301	...		

(b) 年次行事テーブル 68

出力基準日	時給通報 ファイル名
12/10	nanga.txt
04/01	syochu.txt
07/01	chuugen.txt

(c) 個人別時給情報テーブル 70

個人情報 識別番号	時給通報ファイル名別出力基準日		
	tanjyo.txt	kekken.txt	...
0000001	4/3	5/3	
0000002	6/25	3/10	...
0000003	6/25	2/30	

[Drawing 11]

(a) 緊急通報フォームファイル 90

haren.txt

本日(日時)に(氏名)が(場
所)に緊急の申し立てを行
いました。

(b) 時給通報フォームファイル 100

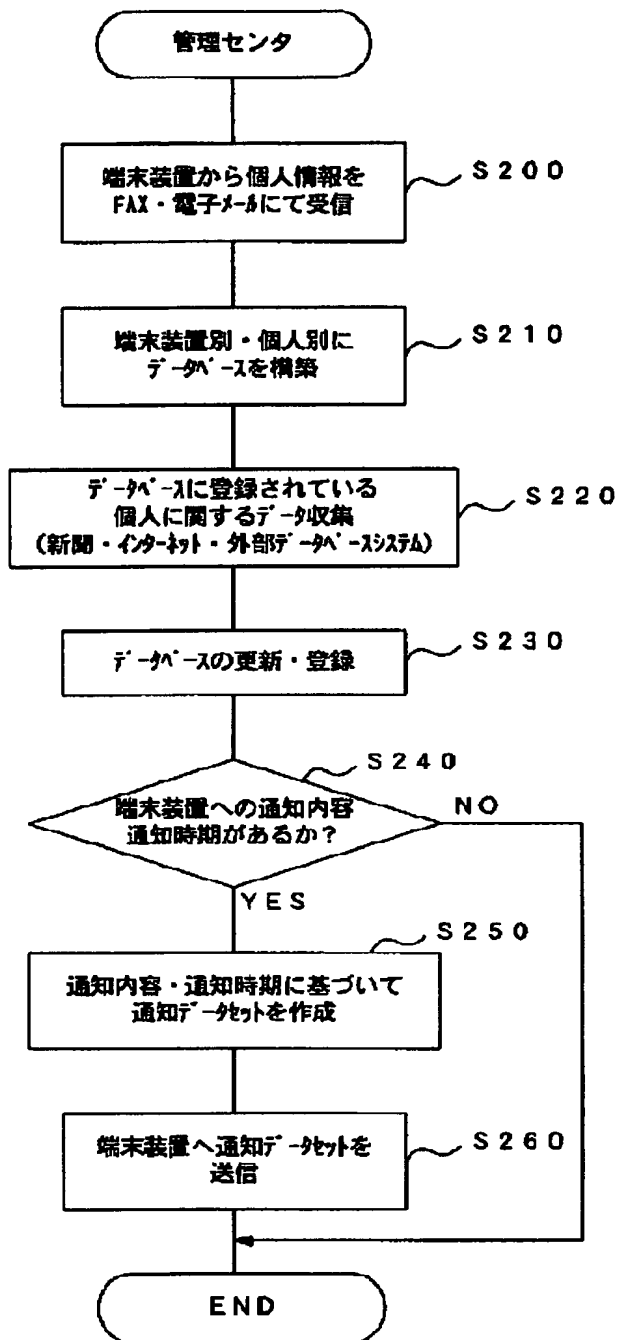
nanga.txt

年賀状の送り先リストです。

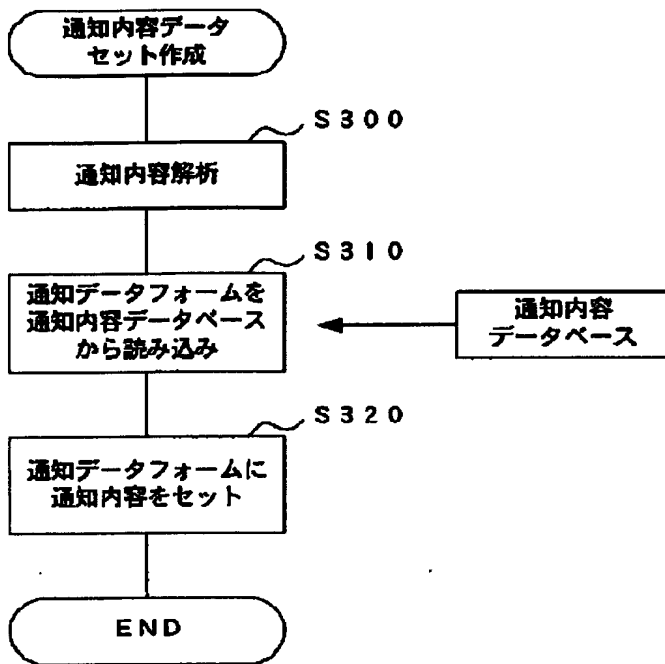
tanjyo.txt

(出力基準日)は(氏名)の
誕生日です

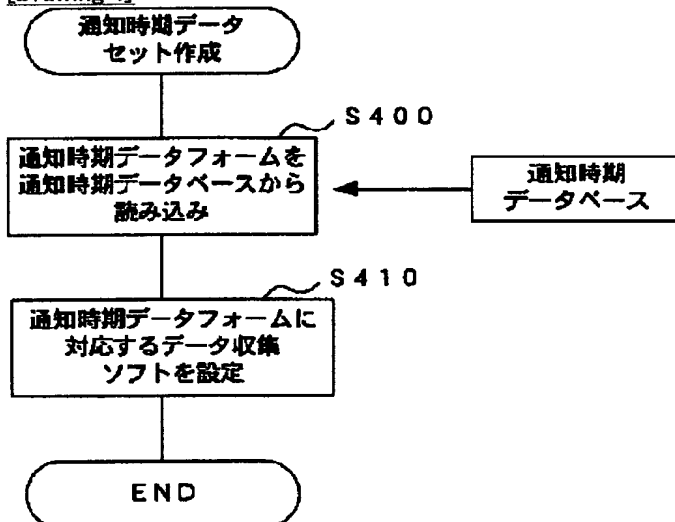
[Drawing 2]



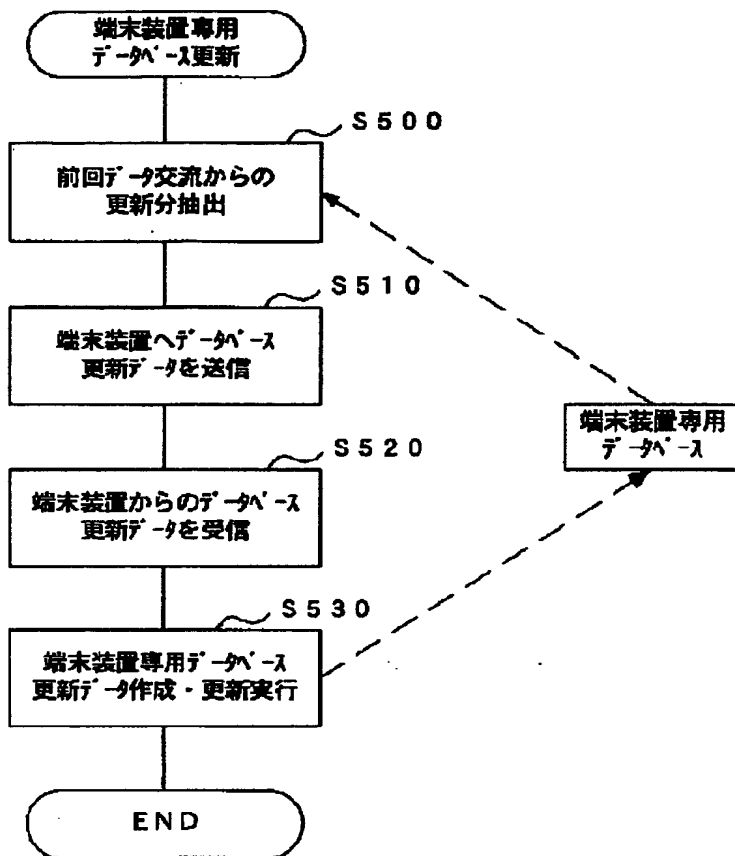
[Drawing 3]



[Drawing 4]



[Drawing 5]



[Drawing 9]

(a) 個人情報テーブル60

個人情報 情報識別 番号	出生日	利用者 コード (照会者)	情報源 コード	氏名	会社 名	所属	役職	電話 番号	電子 メール	住所
00000001	930401	0000	0000	山田太郎	A社	営業	部長	43234	y@n.com	東京..
00000002	920603	0000	0001	山田次郎	A社	営業	部長	43345	j@n.com	東京..
00000003	980901	0000	0101	山田次郎	A社	総務	部長	87553		愛知..
00000004	880723	0000	0102	佐藤次郎	C社		部長	56544	n@n.com	東京..
00000005	970523	0000	0201	田中花子	A社			65555		
00000006	990705	0000	0202	山田次郎	B社			56485	y@n.com	

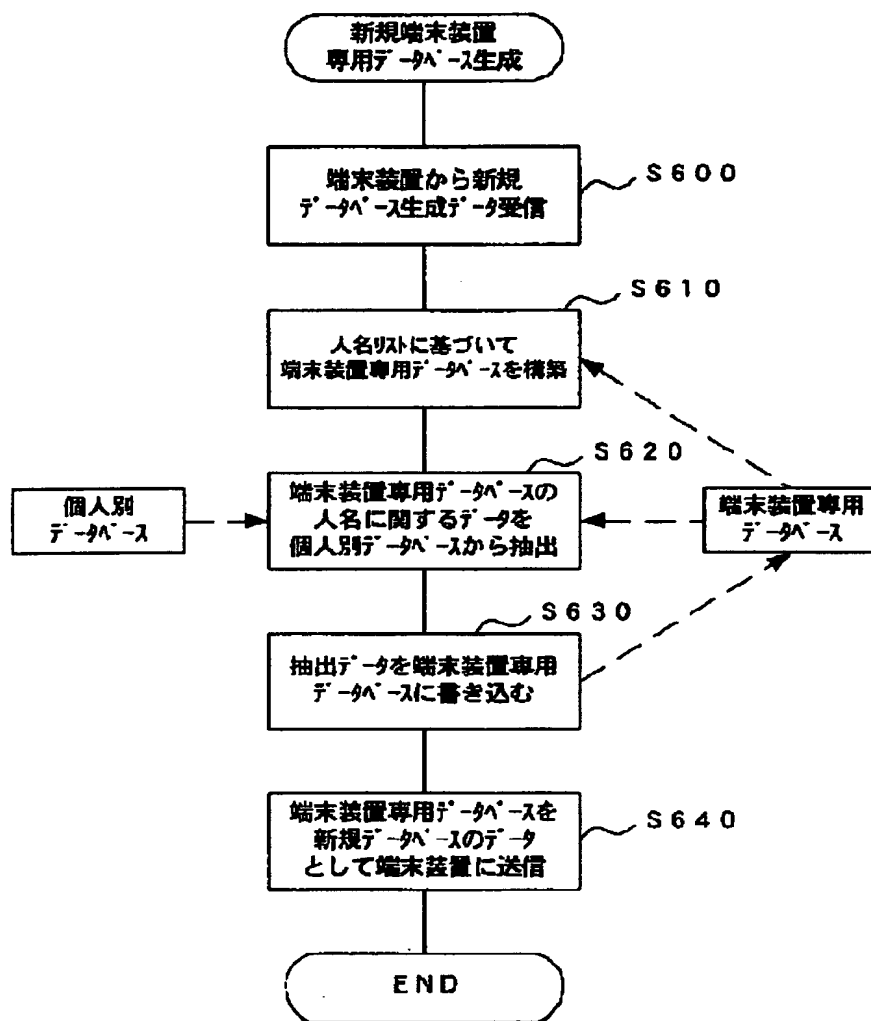
(b) 利用者テーブル02

利用者 コード	パスワード	利用者 グループ	利用者名	電子 メール	FAX番号
0000	adm456	0000	管理センター	adm@center	78327
0001	23q2we	0000	A社東京本社	tokyo@a.com	65545
0101	43r5se	0001	A社名古屋支店	nagoya@a.com	75574
0102	5d2uo4	0001	A社大阪支店	osaka@a.com	78547
0201	00ym02	0002	B社大田支店	osaka@b.com	56545
0202	00dy12	0002	B社仙台支店	sanda1@b.com	43243

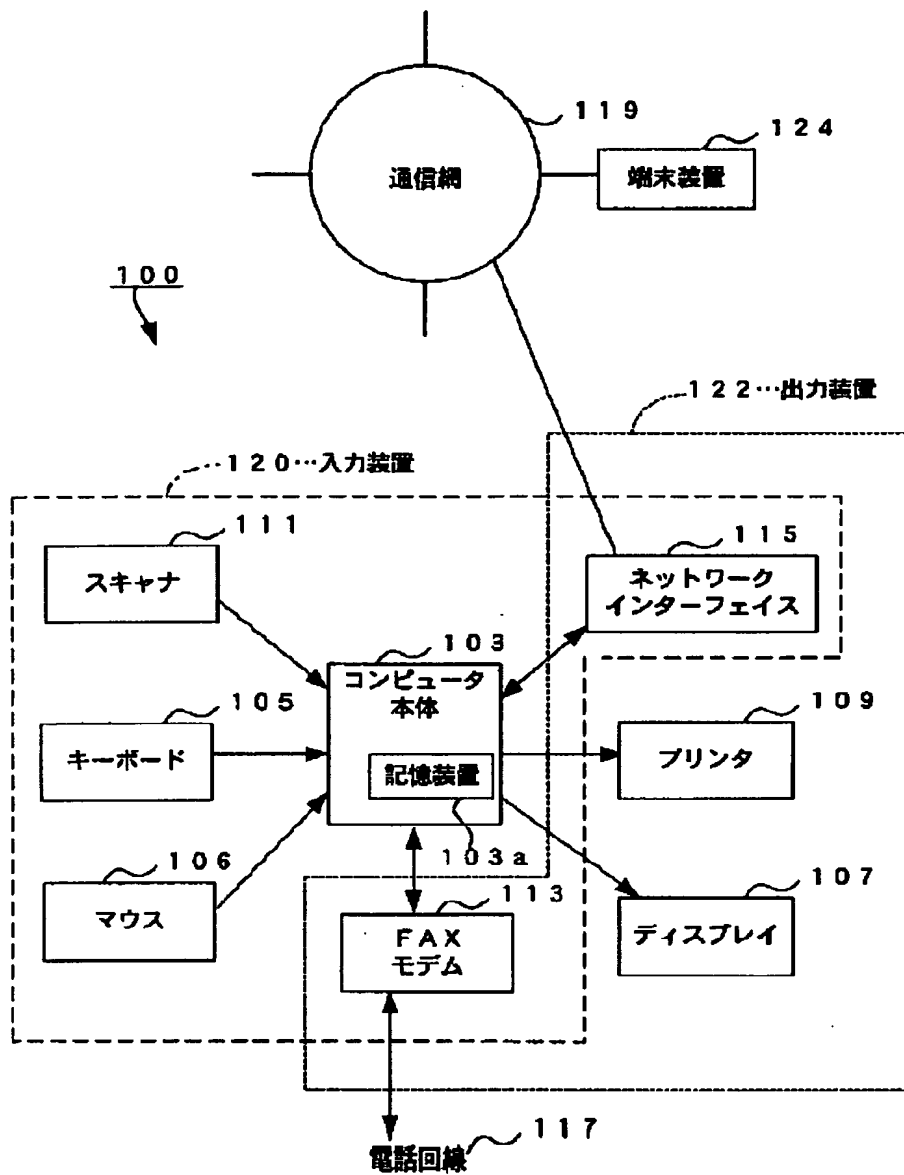
(c) 情報源テーブル84

情報源 コード	情報源
0000	その他
0101	電話帳(CBROM)
0201	〇〇新聞(スキャナ)
0202	X〇新聞(データベース)
0203	△△新聞(メール)
0301	名刺
0301	WWWロボット
9000	提供者(公開)
9900	提供者(G内公開)
9999	提供者(非公開)

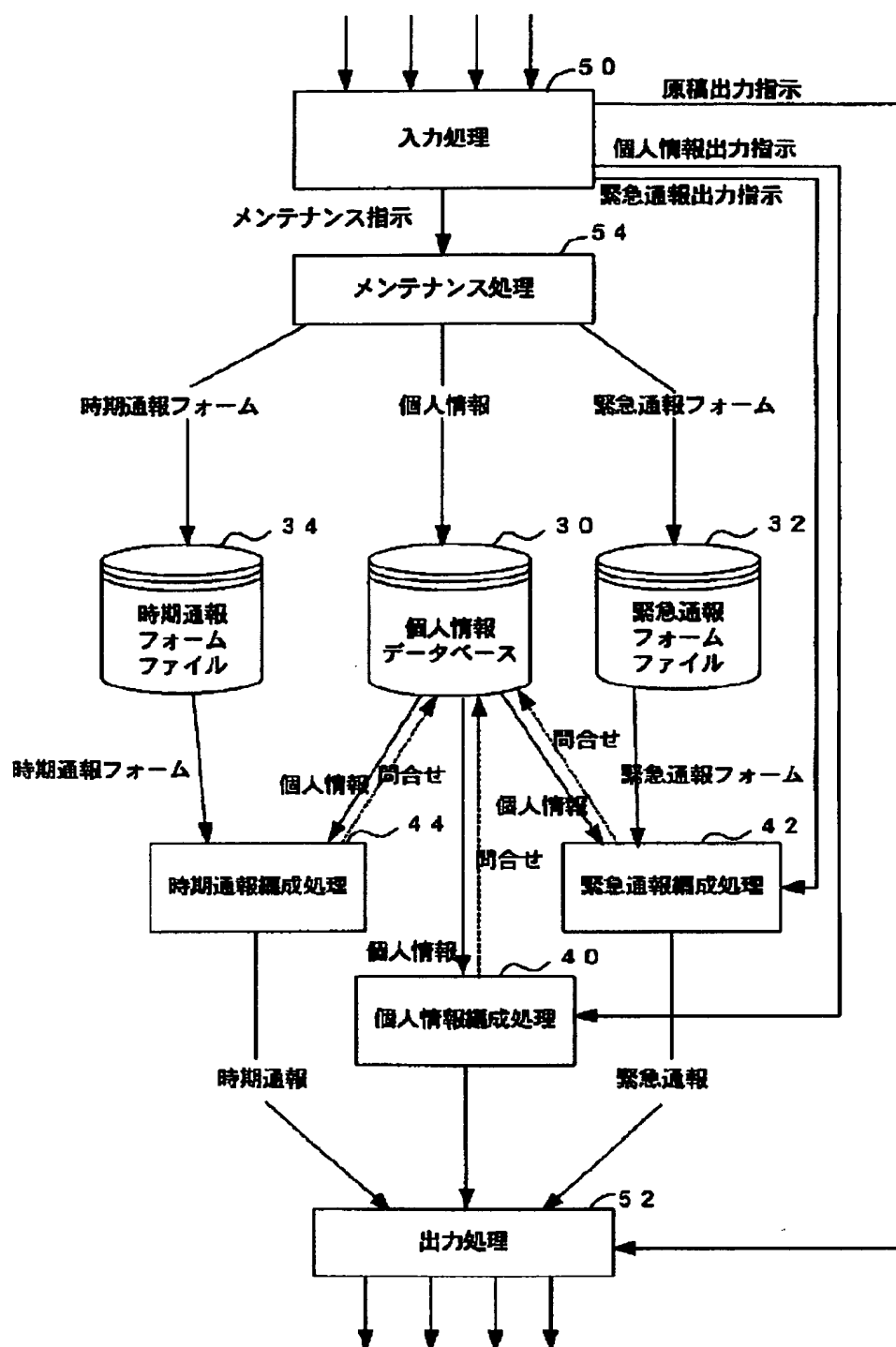
[Drawing 6]



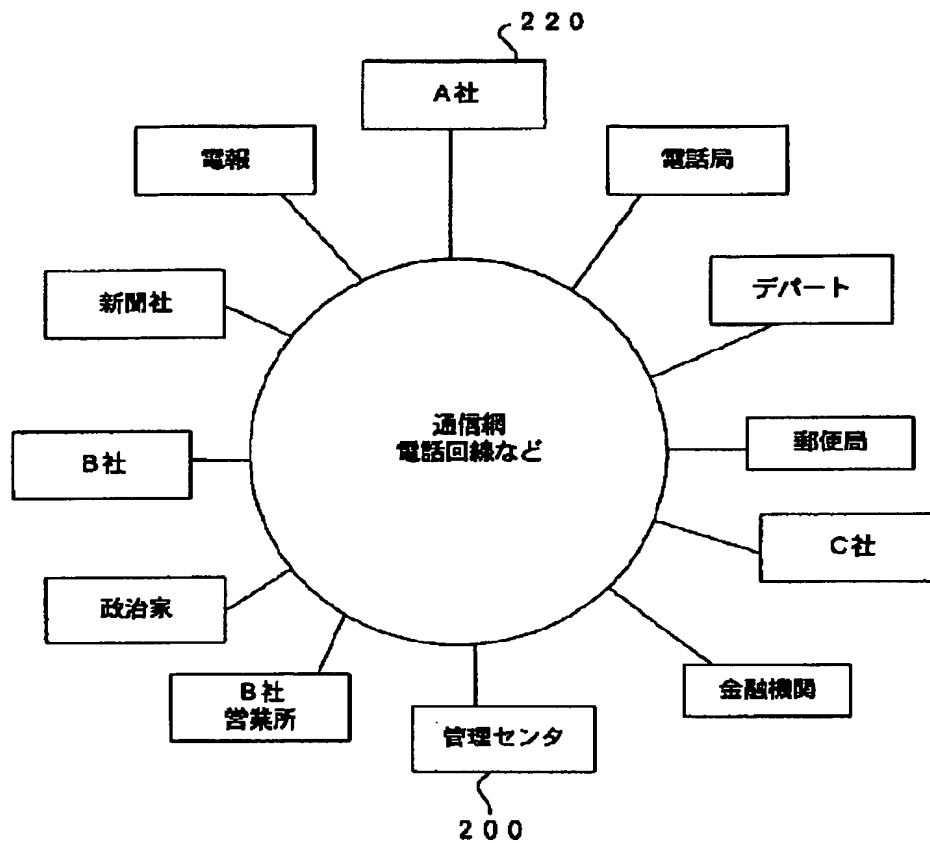
[Drawing 7]



[Drawing 8]



[Drawing 12]



[Translation done.]